

ACO2733US  
Serial No. 09/680,089  
Examiner Alavi  
Filing Date: October 5, 2000

**Abstract**

The invention is a method of determining a color formula for matching a selected color, such that an electronic imaging device is calibrated , and  
5 at the same time or in a next step the selected color is measured with the aid of the electronic imaging device, then the measured color signals of the calibration colors are converted to the known colorimetric data and then the color signals of the measured selected color are converted to colorimetric data; and next , the color formula is determined that  
10 most closely matches the calculated colorimetric data of the measured selected color. The invention also determines a color formula for matching a selected color of textured materials; determines the color difference of a selected color compared to a standard color sample; and measures a specific attribute of the color appearance, the so-called texture.